Tactical Remote Sensor Systems-Product Improvement Program

DESCRIPTION

Tactical Remote Sensor Systems (TRSS) provide all-weather remote monitoring of activity within and near a given objective area. The TRSS-Product Improvement Program (PIP) is an incremental upgrade to selected portions of these systems. The TRSS-PIP uses state-of-the-art seismic, infrared, magnetic, acoustic, and imaging sensors to autonomously classify, identify, and report threat activity, which is active in their detection range according to operator selectable reporting criteria. Major components of the TRSS-PIP are the new technology upgrades to the Unattended Ground Sensors Suite that are hand-emplaced. These systems will upgrade the current fielded baseline and provide a Corps-wide capability for unattended ground surveillance that can be tailored to the operational requirement. TRSS is employed by the Marine Corps' Ground Sensor Platoons (GSPs).

OPERATIONAL IMPACT

Initiated in 1991, TRSS replaced the Vietnam-era REMBASS system with upgraded electronics, sensors, and relays, which were reduced in weight and size, and monitoring devices that give the GSP extra capabilities without changing its operational profile.

PROGRAM STATUS

TRSS achieved initial operational capability in 1992 and is currently 100 percent fielded.

Procurement Profile:	FY 2007	FY 2008
Quantity:		
Thermal Imagers	0	0
Electro-optical Imagers	0	180
Target Recognition Sensors	250	0

Developer/Manufacturer
NOVA Engineering, Inc., Cincinnati, OH
Textron Systems, Wilmington, MA
Ocean Systems Engineering Corporation (OSEC), Carlsbad, CA